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Pages:1065 - 1068 vol.2

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[\[PDF Full-Text \(326 KB\)\]](#)

IEEE CNF

**2 Vehicle barriers - development of a model and standard***Spaight, W.H.T.;*

Security Technology, 2001 IEEE 35th International Carnahan Conference on , 19 Oct. 2001

Pages:54 - 59

[\[Abstract\]](#)
[\[PDF Full-Text \(390 KB\)\]](#)

IEEE CNF

**3 Specification and enforcement of classification and inference constr.***Dawson, S.; de Capitani di Vimercati, S.; Samarati, P.;*

Security and Privacy, 1999. Proceedings of the 1999 IEEE Symposium on , 9-11 May 1999

Pages:181 - 195

[\[Abstract\]](#)
[\[PDF Full-Text \(228 KB\)\]](#)

IEEE CNF

**4 Quantifying and recognizing human movement patterns from monocular video images-part II: applications to biometrics***Green, R.D.; Ling Guan;*

Circuits and Systems for Video Technology, IEEE Transactions on , Volume: 14 , Issue: 2 , Feb. 2004

Pages:191 - 198

[\[Abstract\]](#) [\[PDF Full-Text \(728 KB\)\]](#) IEEE JNL

---

**5 Specification and classification of role-based authorization policies**

*Ahn, G.-J.;*

Enabling Technologies: Infrastructure for Collaborative Enterprises, 2003. WE 2003. Proceedings. Twelfth IEEE International Workshops on , 9-11 June 2003. Pages:202 - 207

[\[Abstract\]](#) [\[PDF Full-Text \(253 KB\)\]](#) IEEE CNF

---

**6 Access control by tracking shallow execution history**

*Fong, P.W.L.;*

Security and Privacy, 2004. Proceedings. 2004 IEEE Symposium on , 9-12 Ma 2004. Pages:43 - 55

[\[Abstract\]](#) [\[PDF Full-Text \(1428 KB\)\]](#) IEEE CNF

---

**7 Personalizing a Web site for cellular phones**

*Kobayashi, A.; Fujioka, H.;*

Web Intelligence, 2003. WI 2003. Proceedings. IEEE/WIC International Conference on , 13-17 Oct. 2003. Pages:432 - 435

[\[Abstract\]](#) [\[PDF Full-Text \(212 KB\)\]](#) IEEE CNF

---

**8 Parametric person identification from the EEG using computational geometry**

*Poulos, M.; Rangoussi, M.; Chrissikopoulos, V.; Evangelou, A.;*

Electronics, Circuits and Systems, 1999. Proceedings of ICECS '99. The 6th IE International Conference on , Volume: 2 , 5-8 Sept. 1999. Pages:1005 - 1008 vol.2

[\[Abstract\]](#) [\[PDF Full-Text \(328 KB\)\]](#) IEEE CNF

---

**9 An abstract authorization system for the Internet**

*Fernandez, E.B.; Nair, K.R.;*

Database and Expert Systems Applications, 1998. Proceedings. Ninth International Workshop on , 26-28 Aug. 1998. Pages:310 - 315

[\[Abstract\]](#) [\[PDF Full-Text \(52 KB\)\]](#) IEEE CNF

---

**10 Model-based vision for automatic alarm interpretation**

*Ellis, T.J.; Rosin, P.L.; Golton, P.;*

Security Technology, 1990. Crime Countermeasures, Proceedings. IEEE 1990 International Carnahan Conference on , 10-12 Oct. 1990. Pages:62 - 67

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*Il-Min Kim; Hyung-Myung Kim;*

Vehicular Technology Conference Proceedings, 2000. VTC 2000-Spring Tokyo. IEEE 51st, Volume: 3, 15-18 May 2000

Pages:2207 - 2211 vol.3

[\[Abstract\]](#)   [\[PDF Full-Text \(452 KB\)\]](#)   IEEE CNF

**2 MaX: an access control system for digital libraries and the Web**
*Bertino, E.; Ferrari, E.; Perego, A.;*

Computer Software and Applications Conference, 2002. COMPSAC 2002. Proceedings. 26th Annual International, 26-29 Aug. 2002

Pages:945 - 950

[\[Abstract\]](#)   [\[PDF Full-Text \(415 KB\)\]](#)   IEEE CNF

**3 Tools for information security assurance arguments**
*Park, J.S.; Montrose, B.; Froscher, J.N.;*

DARPA Information Survivability Conference &amp; Exposition II, 2001. DISCEX '01 Proceedings, Volume: 1, 12-14 June 2001

Pages:287 - 296 vol.1

[\[Abstract\]](#)   [\[PDF Full-Text \(672 KB\)\]](#)   IEEE CNF

**4 An evaluation system for the physical security of computing system:**
*Weingart, S.H.; White, S.R.; Arnold, W.C.; Double, G.P.;*

Computer Security Applications Conference, 1990., Proceedings of the Sixth Annual, 3-7 Dec. 1990

Pages:232 - 243

[\[Abstract\]](#)   [\[PDF Full-Text \(748 KB\)\]](#)   **IEEE CNF**

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*Qing Wang; Zheru Chi; Rongchun Zhao;*

 Pattern Recognition, 2002. Proceedings. 16th International Conference on , Volume: 3 , 11-15 Aug. 2002  
 Pages:77 - 80 vol.3

[\[Abstract\]](#)   [\[PDF Full-Text \(365 KB\)\]](#)   **IEEE CNF**
**2 Page segmentation and content classification for automatic document image processing**
*Yip, S.K.; Chi, Z.;*

 Intelligent Multimedia, Video and Speech Processing, 2001. Proceedings of 20 International Symposium on , 2-4 May 2001  
 Pages:279 - 282

[\[Abstract\]](#)   [\[PDF Full-Text \(316 KB\)\]](#)   **IEEE CNF**
**3 Zone content classification and its performance evaluation**
*Yalin Wang; Haralick, R.; Phillips, I.T.;*

 Document Analysis and Recognition, 2001. Proceedings. Sixth International Conference on , 10-13 Sept. 2001  
 Pages:540 - 544

[\[Abstract\]](#)   [\[PDF Full-Text \(352 KB\)\]](#)   **IEEE CNF**
**4 Image content classification using a block Kolmogorov complexity measure**
*Zheru Chi; Jun Kong;*

Signal Processing Proceedings, 1998. ICSP '98. 1998 Fourth International

Conference on , Volume: 2 , 12-16 Oct. 1998  
Pages:1185 - 1188 vol.2

[\[Abstract\]](#) [\[PDF Full-Text \(340 KB\)\]](#) IEEE CNF

---

**5 Context and memory in multimedia content analysis**

*Dimitrova, N.;*

Multimedia, IEEE , Volume: 11 , Issue: 3 , July-Sept. 2004

Pages:7 - 11

[\[Abstract\]](#) [\[PDF Full-Text \(120 KB\)\]](#) IEEE JNL

---

**6 Learning bilinear models for two-factor problems in vision**

*Freeman, W.T.; Tenenbaum, J.B.;*

Computer Vision and Pattern Recognition, 1997. Proceedings., 1997 IEEE  
Computer Society Conference on , 17-19 June 1997

Pages:554 - 560

[\[Abstract\]](#) [\[PDF Full-Text \(844 KB\)\]](#) IEEE CNF

---

**7 Multimedia content classification using motion and audio informatio**

*Yao Wang; Jincheng Huang; Zhu Liu; Tsuhan Chen;*

Circuits and Systems, 1997. ISCAS '97., Proceedings of 1997 IEEE Internatio  
Symposium on , Volume: 2 , 9-12 June 1997

Pages:1488 - 1491 vol.2

[\[Abstract\]](#) [\[PDF Full-Text \(364 KB\)\]](#) IEEE CNF

---

**8 An object-based MPEG-4 multimedia content classification model for QoS differentiation**

*Ahmed, T.; Nafaa, A.; Mehaoua, A.;*

Computers and Communication, 2003. (ISCC 2003). Proceedings. Eighth IEEE  
International Symposium on , 30 June-3 July 2003

Pages:1091 - 1096 vol.2

[\[Abstract\]](#) [\[PDF Full-Text \(388 KB\)\]](#) IEEE CNF

---

**9 A method for document zone content classification**

*Wang, Y.; Phillips, I.T.; Haralick, R.M.;*

Pattern Recognition, 2002. Proceedings. 16th International Conference  
on , Volume: 3 , 11-15 Aug. 2002

Pages:196 - 199 vol.3

[\[Abstract\]](#) [\[PDF Full-Text \(335 KB\)\]](#) IEEE CNF

---

**10 Scene content classification from MPEG coded bit streams**

*Dawood, A.M.; Ghanbari, M.;*

Multimedia Signal Processing, 1999 IEEE 3rd Workshop on , 13-15 Sept. 1999  
Pages:253 - 258

[\[Abstract\]](#) [\[PDF Full-Text \(357 KB\)\]](#) IEEE CNF

---

**11 Design of a dynamic hypermedia system-contents classification by**



**Kansei-word processing***Harada, H.; Ueda, K.; Katsumoto, M.; Iisaku, S.;*

Parallel Processing, 1999. Proceedings. 1999 International Workshops on , 21-22 Sept. 1999

Pages:450 - 453

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Image Processing, 1998. ICIP 98. Proceedings. 1998 International Conference on , 4-7 Oct. 1998

Pages:7 - 11 vol.3

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Applied Imagery Pattern Recognition Workshop, 2000. Proceedings. 29th , 16-17 Oct. 2000

Pages:259 - 265

[\[Abstract\]](#) [\[PDF Full-Text \(1112 KB\)\]](#) [IEEE CNF](#)**14 Audio and video combined for home video abstraction***Ming Zhao; Jiajun Bu; Chun Chen;*

Acoustics, Speech, and Signal Processing, 2003. Proceedings. (ICASSP '03). 2003 IEEE International Conference on , Volume: 5 , 6-10 April 2003

Pages:V - 620-3 vol.5

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Decision and Control, 2002, Proceedings of the 41st IEEE Conference on , Volume: 4 , 10-13 Dec. 2002

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**4 Differentiated caching services; a control-theoretical approach**
*Ying Lu; Saxena, A.; Abdelzaher, T.F.;*

Distributed Computing Systems, 2001. 21st International Conference on. , 16 April 2001

Pages:615 - 622

[\[Abstract\]](#) [\[PDF Full-Text \(608 KB\)\]](#) IEEE CNF

---

**5 Design, implementation, and evaluation of differentiated caching services**

*Lu, Y.; Abdelzaher, T.F.; Avneesh Saxena;*

Parallel and Distributed Systems, IEEE Transactions on , Volume: 15 , Issue: 5 , May 2004

Pages:440 - 452

[\[Abstract\]](#) [\[PDF Full-Text \(1038 KB\)\]](#) IEEE JNL

---

**6 Using the Fisher kernel method for Web audio classification**

*Moreno, P.J.; Rifkin, R.;*

Acoustics, Speech, and Signal Processing, 2000. ICASSP '00. Proceedings. 2000 IEEE International Conference on , Volume: 6 , 5-9 June 2000

Pages:2417 - 2420 vol.4

[\[Abstract\]](#) [\[PDF Full-Text \(336 KB\)\]](#) IEEE CNF

---

**7 2000 Digest of Technical Papers. International Conference on Consumer Electronics. Nineteenth in the Series (Cat. No.00CH37102)**

Consumer Electronics, 2000. ICCE. 2000 Digest of Technical Papers. International Conference on , 13-15 June 2000

[\[Abstract\]](#) [\[PDF Full-Text \(640 KB\)\]](#) IEEE CNF

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**1 Neural networks for web content filtering**
*Lee, P.Y.; Hui, S.C.; Fong, A.C.M.;*

Intelligent Systems, IEEE [see also IEEE Expert] , Volume: 17 , Issue: 5 , Sep Oct. 2002

Pages:48 - 57

[\[Abstract\]](#)    [\[PDF Full-Text \(888 KB\)\]](#)    **IEEE JNL**
**2 Collaboration requirements: a point of failure in protecting information**
*Wiederhold, G.;*

Systems, Man and Cybernetics, Part A, IEEE Transactions on , Volume: 31 , Issue: 4 , July 2001

Pages:336 - 342

[\[Abstract\]](#)    [\[PDF Full-Text \(220 KB\)\]](#)    **IEEE JNL**
**3 Multimedia Web services for content filtering, searching, and digital rights management**
*Yi-Leh Wu; Cheng-Wei Chang; Wei-Cheng Lai; Kwang-Ting Cheng; Chang, E.;*

Information, Communications and Signal Processing, 2003 and the Fourth Pacific Rim Conference on Multimedia. Proceedings of the 2003 Joint Conference of the Fourth International Conference on , Volume: 1 , 15-18 Dec. 2003

Pages:191 - 196 Vol.1

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**4 An architecture for video content filtering in consumer domain**
*Dimitrova, N.; Elenbass, H.; McGee, T.; Agnihotri, L.;*

Information Technology: Coding and Computing, 2000. Proceedings. International Conference on , 27-29 March 2000

Pages:214 - 221

[\[Abstract\]](#) [\[PDF Full-Text \(344 KB\)\]](#) IEEE CNF

---

**5 Centralized content-based Web filtering and blocking: how far can it**

*Chen Ding; Chi-Hung Chi; Jing Deng; Chun-Lei Dong;*

Systems, Man, and Cybernetics, 1999. IEEE SMC '99 Conference Proceedings. IEEE International Conference on , Volume: 2 , 12-15 Oct. 1999

Pages:115 - 119 vol.2

[\[Abstract\]](#) [\[PDF Full-Text \(536 KB\)\]](#) IEEE CNF

---

**6 Digital video for the time impaired**

*Dimitrova, N.;*

Multimedia, IEEE , Volume: 6 , Issue: 2 , April-June 1999

Pages:14 - 17

[\[Abstract\]](#) [\[PDF Full-Text \(908 KB\)\]](#) IEEE JNL

---

**7 Efficient dissemination of personalized information using content-based multicast**

*Shah, R.; Ramzan, Z.; Jain, R.; Dendukuri, R.; Anjum, F.;*

Mobile Computing, IEEE Transactions on , Volume: 3 , Issue: 4 , Oct.-Dec. 20

Pages:394 - 408

[\[Abstract\]](#) [\[PDF Full-Text \(952 KB\)\]](#) IEEE JNL

---

**8 An extensible, programmable, commercial-grade platform for intern service architecture**

*Lavian, T.; Hoang, D.B.; Travostino, F.; Wang, P.Y.; Subramanian, S.; Monga,*

Systems, Man and Cybernetics, Part C, IEEE Transactions on , Volume: 34 , Is 1 , Feb. 2004

Pages:58 - 68

[\[Abstract\]](#) [\[PDF Full-Text \(1312 KB\)\]](#) IEEE JNL

---

**9 XWRAP: an XML-enabled wrapper construction system for Web information sources**

*Liu, L.; Pu, C.; Han, W.;*

Data Engineering, 2000. Proceedings. 16th International Conference on , 29 F March 2000

Pages:611 - 621

[\[Abstract\]](#) [\[PDF Full-Text \(296 KB\)\]](#) IEEE CNF

---

**10 Accelerating firewall through intelligent self-learning**

*Jongwook Moon; Junku Park; Gihyun Jung; Panan Choi; Youngu Kang; Kyung Choi; Sanguk Noh;*

Systems, Man and Cybernetics, 2003. IEEE International Conference on , Volu 4 , 5-8 Oct. 2003

Pages:3524 - 3529 vol.4

[\[Abstract\]](#) [\[PDF Full-Text \(547 KB\)\]](#) IEEE CNF

---

**11 An e-mail connectivity solution for WAP-enabled mobile phone***Milasinovic, B.; Fertalj, K.;*

Information Technology Interfaces, 2003. ITI 2003. Proceedings of the 25th International Conference on , 16-19 June 2003

Pages:587 - 592

[\[Abstract\]](#) [\[PDF Full-Text \(617 KB\)\]](#) **IEEE CNF****12 Two-layer host blocking: caching the blocking decisions***Chi-Hung Chi; Palit, H.;*

Algorithms and Architectures for Parallel Processing, 2002. Proceedings. Fifth International Conference on , 23-25 Oct. 2002

Pages:464 - 470

[\[Abstract\]](#) [\[PDF Full-Text \(294 KB\)\]](#) **IEEE CNF****13 Exactly-once delivery in a content-based publish-subscribe system***Bhola, S.; Strom, R.; Bagchi, S.; Yuanyuan Zhao; Auerbach, J.;*

Dependable Systems and Networks, 2002. Proceedings. International Conference on , 23-26 June 2002

Pages:7 - 16

[\[Abstract\]](#) [\[PDF Full-Text \(356 KB\)\]](#) **IEEE CNF****14 Genoa TIE, advanced boundary controller experiment***Monteith, E.;*

Computer Security Applications Conference, 2001. ACSAC 2001. Proceedings Annual , 10-14 Dec. 2001

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*Zittrain, J.; Edelman, B.;*

Internet Computing, IEEE , Volume: 7 , Issue: 2 , March-April 2003

Pages:70 - 77

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## 2 Centralized content-based Web filtering and blocking: how far can it

*Chen Ding; Chi-Hung Chi; Jing Deng; Chun-Lei Dong;*

Systems, Man, and Cybernetics, 1999. IEEE SMC '99 Conference Proceedings.

IEEE International Conference on , Volume: 2 , 12-15 Oct. 1999

Pages:115 - 119 vol.2

[\[Abstract\]](#)   [\[PDF Full-Text \(536 KB\)\]](#)   IEEE CNF

## 3 Chromatic colour spaces for skin detection using GMMs

*Butler, D.; Sridharan, S.; Chandran, V.;*

Acoustics, Speech, and Signal Processing, 2002. Proceedings. (ICASSP '02). II

International Conference on , Volume: 4 , 13-17 May 2002

Pages:IV-3620 - IV-3623 vol.4

[\[Abstract\]](#)   [\[PDF Full-Text \(492 KB\)\]](#)   IEEE CNF

## 4 An efficient Internet crawling and filtering system for the nationwide tendering information retrieval

*Matsuda, T.; Nakamura, K.; Sakamoto, N.;*

Web Intelligence, 2003. WI 2003. Proceedings. IEEE/WIC International Conference on , 13-17 Oct. 2003

Pages:722 - 725

[\[Abstract\]](#) [\[PDF Full-Text \(284 KB\)\]](#) IEEE CNF

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**5 Fast tuple space based packet classification algorithm for two-field conflict free filters**

*Pau-Chuan Ting; Yung-Sheng Hsu; Tsern-Huei Lee;*

Communications, 2003. ICC '03. IEEE International Conference on , Volume: 1 , 11-15 May 2003

Pages:325 - 331 vol.1

[\[Abstract\]](#) [\[PDF Full-Text \(427 KB\)\]](#) IEEE CNF

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**6 Protection from distributed denial of service attacks using history-based IP filtering**

*Tao Peng; Leckie, C.; Ramamohanarao, K.;*

Communications, 2003. ICC '03. IEEE International Conference on , Volume: 1 , 11-15 May 2003

Pages:482 - 486 vol.1

[\[Abstract\]](#) [\[PDF Full-Text \(301 KB\)\]](#) IEEE CNF

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**7 Measuring bandwidth**

*Lai, K.; Baker, M.;*

INFOCOM '99. Eighteenth Annual Joint Conference of the IEEE Computer and Communications Societies. Proceedings. IEEE , Volume: 1 , 21-25 March 1999

Pages:235 - 245 vol.1

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- 1 Automated techniques for managing collections: Machine learning for information architecture in a large governmental website

Miles Efron, Jonathan Elsas, Gary Marchionini, Junliang Zhang  
June 2004

Full text available:  pdf(1.49 MB)

[Additional Information: full citation, abstract, references, index terms](#)

This paper describes ongoing research into the application of machine learning techniques for improving access to governmental information in complex digital libraries. Under the auspices of the GovStat Project, our goal is to identify a small number of semantically valid concepts that adequately spans the intellectual domain of a collection. The goal of this discovery is twofold. First we desire a practical aid for information architects. Second, automatically derived document-concept relations ...

**Keywords:** information architecture, interface design, machine learning

- ## 2 Content-triggered trust negotiation

Adam Hess, Jason Holt, Jared Jacobson, Kent E. Seamons

August 2004, **ACM Transactions on Information and System Security (TISSEC)**, Volume 7  
Issue 3

Full text available:  pdf(815.36 KB)

Additional Information: full citation, abstract, references, index terms

The focus of access control in client/server environments is on protecting sensitive server resources by determining whether or not a client is authorized to access those resources. The set of resources is usually static, and an access control policy associated with each resource specifies who is authorized to access the resource. In this article, we turn the traditional client/server access control model on its head and address how to protect the sensitive content that clients disclose to and r ...

**Keywords:** Trust negotiation, access control, authentication, credentials

- 3 Digital libraries for spatial data: G-Portal: a map-based digital library for distributed geospatial and georeferenced resources

Ee-Peng Lim, Dion Hoe-Lian Goh, Zehua Liu, Wee-Keong Ng, Christopher Soo-Guan Khoo,  
Susan Ellen Higgins

July 2002 **Proceedings of the 2nd ACM/IEEE-CS joint conference on Digital libraries**

**Additional Information:**

Full text available:  pdf(291.03 KB)

[full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

As the World Wide Web evolves into an immense information network, it is tempting to build new digital library services and expand existing digital library services to make use of web content. In this paper, we present the design and implementation of G-Portal, a web portal that aims to provide digital library services over geospatial and georeferenced content found on the World Wide Web. G-Portal adopts a map-based user interface to visualize and manipulate the distributed geospatial and georef ...

**Keywords:** digital libraries, education, geography, world wide web

#### 4 Summarization and question answering: QuASM: a system for question answering using semi-structured data

David Pinto, Michael Branstein, Ryan Coleman, W. Bruce Croft, Matthew King, Wei Li, Xing Wei  
July 2002 **Proceedings of the 2nd ACM/IEEE-CS joint conference on Digital libraries**

Full text available:  pdf(292.22 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

This paper describes a system for question answering using semi-structured metadata, QuASM (pronounced "chasm"). Question answering systems aim to improve search performance by providing users with specific answers, rather than having users scan retrieved documents for these answers. Our goal is to answer factual questions by exploiting the structure inherent in documents found on the World Wide Web (WWW). Based on this structure, documents are indexed into smaller units and associated with meta ...

**Keywords:** content documents, language model, metadata, question answering, question classification, semi-structured, tables

#### 5 Intelligent web information access: Conceptual modeling of semantic navigation structures: the MoSeNa-approach

Jörg Becker, Christian Brelage, Karsten Klose, Michael Thygs  
November 2003 **Proceedings of the 5th ACM international workshop on Web information and data management**

Full text available:  pdf(442.91 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#), [review](#)

At the present time, several shortcomings prevent the more effective use and more intense application of web information systems. Recent developments that are subsumed by the term Semantic Web aim to solve these problems. The inherent idea behind these approaches is the annotation of data with metadata, in order to enhance automated processing and the use of ontologies to describe data semantically. However, the emergence of the Semantic Web raises new issues (e.g. significantly higher complexit ...

**Keywords:** MoSeNa, SockS, conceptual modeling, information system engineering, semantic navigation structures, semantic web, web-based information-system

#### 6 New technologies in system design: Divide-and-concatenate: an architecture level optimization technique for universal hash functions

Bo Yang, Ramesh Karri, David A. McGrew  
June 2004 **Proceedings of the 41st annual conference on Design automation**

Full text available:  pdf(194.78 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

We present an architecture optimization technique called divide-and-concatenate for universal hash functions. The area of a multiplier increases quadratically and its speed increases gradually with the operand size and two universal hash functions are equivalent if they have the same collision probability property. Based on these observations, the divide-and-concatenate approach divides a  $2w$ -bit data path (with collision probability  $2^{-2w}$ ) into two  $w$ -bit data paths (each with collision probability  $2^{-w}$ ).

7 Computational analysis of interference phenomena on the lexical level

W. Skalmowski, M. Van Overbeke

September 1969 **Proceedings of the 1969 conference on Computational linguistics**

Full text available:  pdf(460.74 KB) Additional Information: [full citation](#), [references](#)

8 Applications: Semantic context detection based on hierarchical audio models

Wen-Huang Cheng, Wei-Ta Chu, Ja-Ling Wu

November 2003 **Proceedings of the 5th ACM SIGMM international workshop on Multimedia information retrieval**

Full text available:  pdf(329.94 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)


Semantic context detection is one of the key techniques to facilitate efficient multimedia retrieval. Semantic context is a scene that completely represents a meaningful information segment to human beings. In this paper, we propose a novel hierarchical approach that models the statistical characteristics of several audio events, over a time series, to accomplish semantic context detection. The approach consists of two stages: audio event and semantic context detections. HMMs are used to model b ...

**Keywords:** Gaussian mixture model, audio content analysis, audio retrieval, hidden Markov model, semantic context

9 Book reviews: Review of "Parsing with principles and classes of information" by Paola Merlo. Kluwer Academic Publishers 1996.

Giorgio Satta


March 1998 **Computational Linguistics**, Volume 24 Issue 1

Full text available:  pdf(471.54 KB) Additional Information: [full citation](#), [references](#)  
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10 Panel: Incorporating writing into the CS curriculum

Lisa Kaczmarczyk, Gerald Kruse, Dian Rae Lopez, Deepak Kumar

March 2004 **Proceedings of the 35th SIGCSE technical symposium on Computer science education**

Full text available:  pdf(156.52 KB) Additional Information: [full citation](#), [references](#), [index terms](#)

**Keywords:** communication, pedagogy, writing

11 Multimedia and hypermedia: Using SMIL to encode interactive, peer-level multimedia annotations

Dick C. A. Bulterman

November 2003 **Proceedings of the 2003 ACM symposium on Document engineering**

Full text available:  pdf(131.84 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

This paper discusses applying facilities in SMIL 2.0 to the problem of annotating multimedia presentations. Rather than viewing annotations as collections of (abstract) meta-information for use in indexing, retrieval or semantic processing, we view annotations as a set of peer-level content with temporal and spatial relationships that are important in presenting a coherent story to a user. The composite nature of the collection of media is essential to the nature of peer-level annotations: you ...

**Keywords:** SMIL, annotation, horses, medical systems

## 12 Surveillance: Video retrieval using spatio-temporal descriptors

Daniel DeMenthon, David Doermann

November 2003 **Proceedings of the eleventh ACM international conference on Multimedia**

Full text available:  pdf(994.11 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

This paper describes a novel methodology for implementing video search functions such as retrieval of near-duplicate videos and recognition of actions in surveillance video. Videos are divided into half-second clips whose stacked frames produce 3D space-time volumes of pixels. Pixel regions with consistent color and motion properties are extracted from these 3D volumes by a threshold-free hierarchical space-time segmentation technique. Each region is then described by a high-dimensional point wh ...

**Keywords:** action recognition, content-based indexing and retrieval, object motion, space-time segmentation, spatio-temporal descriptors, video retrieval of near-duplicates

## 13 Content analysis: Supporting timeliness and accuracy in distributed real-time content-based video analysis

Viktor S. Wold Eide, Frank Eliassen, Ole-Christoffer Granmo, Olav Lysne

November 2003 **Proceedings of the eleventh ACM international conference on Multimedia**

Full text available:  pdf(339.39 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Real-time content-based access to live video data requires content analysis applications that are able to process the video data at least as fast as the video data is made available to the application and with an acceptable error rate. Statements as this express quality of service (QoS) requirements to the application. In order to provide some level of control of the QoS provided, the video content analysis application must be scalable and resource aware so that requirements of timeliness and ac ...

**Keywords:** QoS and resource management, event-based communication, parallel processing, real-time video content analysis, task graph scheduling

## 14 Research track: SEWeP: using site semantics and a taxonomy to enhance the Web personalization process

M. Eirinaki, M. Vazirgiannis, I. Varlamis

August 2003 **Proceedings of the ninth ACM SIGKDD international conference on Knowledge discovery and data mining**

Full text available:  pdf(429.65 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)


Web personalization is the process of customizing a Web site to the needs of each specific user or set of users, taking advantage of the knowledge acquired through the analysis of the user's navigational behavior. Integrating usage data with content, structure or user

profile data enhances the results of the personalization process. In this paper, we present SEWeP, a system that makes use of both the usage logs and the semantics of a Web site's content in order to personalize it. Web content is ...

**Keywords:** Web mining, Web personalization, concept hierarchies, semantic annotation of Web content

**15 DRM experience: Analysis of security vulnerabilities in the movie production and distribution process**

Simon Byers, Lorrie Cranor, Dave Korman, Patrick McDaniel, Eric Cronin  
October 2003 **Proceedings of the 2003 ACM workshop on Digital rights management**

Full text available:  [pdf\(285.80 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#), [review](#)

Unauthorized copying of movies is a major concern for the motion picture industry. While unauthorized copies of movies have been distributed via portable physical media for some time, low-cost, high-bandwidth Internet connections and peer-to-peer file sharing networks provide highly efficient distribution media. Many movies are showing up on file sharing networks shortly after, and in some cases prior to, theatrical release. It has been argued that the availability of unauthorized copies directl ...

**Keywords:** digital rights management, file sharing, insider attacks, multimedia, physical security, policy

**16 GPMS, a general purpose memory management system—user's memory—that is.**

I. Ganapathy, R. F. Hobson  
September 1976 **Proceedings of the eighth international conference on APL**

Full text available:  [pdf\(763.50 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

GPMS is a keyword based information entry and retrieval system. The data consist of a collection of messages, where a message is an arbitrary quantum of free text. Users supply both keywords and message body. Keywords are hashed into an association file while messages, which receive unique chronological names, reside in a message file. A simple English-like query package is included. GPMS has been used as a community information management system (advertisements, quotations, plea ...

**17 Dynamic Access Control: An access control model for dynamic client-side content**

Adam Hess, Kent E. Seamons  
June 2003 **Proceedings of the eighth ACM symposium on Access control models and technologies**

Full text available:  [pdf\(608.50 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)


The focus of access control in client/server environments is on protecting sensitive server resources by determining whether or not a client is authorized to access those resources. The set of resources are usually static, and an access control policy associated with each resource specifies who is authorized to access the resource. In this paper, we turn the traditional client/server access control model on its head, and address how to protect the sensitive content that clients disclose to serve ...

**Keywords:** access control, authentication, credentials, trust negotiation

**18 Adapting content to mobile devices: DOM-based content extraction of HTML documents**

Suhit Gupta, Gail Kaiser, David Neistadt, Peter Grimm

May 2003 **Proceedings of the twelfth international conference on World Wide Web**

Full text available:  pdf(296.17 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)


Web pages often contain clutter (such as pop-up ads, unnecessary images and extraneous links) around the body of an article that distracts a user from actual content. Extraction of "useful and relevant" content from web pages has many applications, including cell phone and PDA browsing, speech rendering for the visually impaired, and text summarization. Most approaches to removing clutter or making content more readable involve changing font size or removing HTML and data components such as images ...

**Keywords:** DOM trees, HTML documents, accessibility, content extraction, reformatting, speech rendering

#### 19 Privacy through pseudonymity in user-adaptive systems

Alfred Kobsa, Jörg Schreck

May 2003 **ACM Transactions on Internet Technology (TOIT)**, Volume 3 Issue 2

Full text available:  pdf(881.69 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)


User-adaptive applications cater to the needs of each individual computer user, taking for example users' interests, level of expertise, preferences, perceptual and motoric abilities, and the usage environment into account. Central user modeling servers collect and process the information about users that different user-adaptive systems require to personalize their user interaction. Adaptive systems are generally better able to cater to users the more data their user modeling systems collect and ...

**Keywords:** Chaum mix, KQML, User modeling, access control, anonymity, encryption, personal information, personalization, privacy, pseudonymity, reference model, secrecy, security, user-adaptive systems

#### 20 A technical writing class for computer science majors: measuring student perceptions of learning

Lisa C. Kaczmarczyk

January 2003 **ACM SIGCSE Bulletin , Proceedings of the 34th SIGCSE technical symposium on Computer science education**, Volume 35 Issue 1

Full text available:  pdf(150.63 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Writing skills need to be integrated into the Computer Science (CS) curriculum, and there is little empirical evidence on how best to do so. This paper first describes a technical writing class for CS undergraduates. Then it presents the results of a statistical study that investigated student perceptions of their learning experience in three areas: skill mastery, self-efficacy, and motivation. Positive results support this approach to teaching writing to CS students. Some unexpected findings in ...

**Keywords:** pedagogy, writing

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Adam Hess, Kent E. Seamons

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### 2 Content-triggered trust negotiation

Adam Hess, Jason Holt, Jared Jacobson, Kent E. Seamons

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Full text available: pdf(815.36 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

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July 2002 **Proceedings of the 2nd ACM/IEEE-CS joint conference on Digital libraries**

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**Keywords:** digital libraries, education, geography, world wide web

#### 5 Multimedia and hypermedia: Using SMIL to encode interactive, peer-level multimedia annotations

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**Keywords:** SMIL, annotation, horses, medical systems

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Jörg Becker, Christian Brelage, Karsten Klose, Michael Thygs

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Full text available:  pdf(442.91 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#), [review](#)

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**Keyw rds:** MoSeNa, SockS, conceptual modeling, information system engineering, semantic navigation structures, semantic web, web-based information-system

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## 1 A holistic approach to service survivability

Angelos D. Keromytis, Janak Parekh, Philip N. Gross, Gail Kaiser, Vishal Misra, Jason Nieh, Dan Rubenstein, Sal Stolfo

October 2003 **Proceedings of the 2003 ACM workshop on Survivable and self-regenerative systems: in association with 10th ACM Conference on Computer and Communications Security**

Full text available:  pdf(1.58 MB)

[Additional Information: full citation, abstract, references, index terms](#)

We present SABER (Survivability Architecture: Block, Evade, React), a proposed survivability architecture that blocks, evades and reacts to a variety of attacks by using several security and survivability mechanisms in an automated and coordinated fashion. Contrary to the ad hoc manner in which contemporary survivable systems are built-using isolated, independent security mechanisms such as firewalls, intrusion detection systems and software sandboxes-SABER integrates several different techno ...

**Keywords:** intrusion detection, overlay networks, survivability

## 2 Labeling images with a computer game

Luis von Ahn, Laura Dabbish

April 2004 **Proceedings of the 2004 conference on Human factors in computing systems**

Full text available:  pdf(493.67 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)


We introduce a new interactive system: a game that is fun and can be used to create valuable output. When people play the game they help determine the contents of images by providing meaningful labels for them. If the game is played as much as popular online games, we estimate that most images on the Web can be labeled in a few months. Having proper labels associated with each image on the Web would allow for more accurate image search, improve the accessibility of sites (by providing descriptio ...

**Keywords:** World Wide Web, distributed knowledge acquisition, image labeling, online games

### 3 Calculating error rates for filtering software

Paul J. Resnick, Derek L. Hansen, Caroline R. Richardson

September 2004 **Communications of the ACM**, Volume 47 Issue 9

Full text available:  pdf(134.44 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)  
 html(25.90 KB)

Surveys in the U.S. have found that 95% of schools [4], 43% of public libraries [5], and 33% of teenagers' parents [8] employ filtering software to block access to pornography and other inappropriate content. Many products are also now available to filter out spam email. Filtering software, however, cannot perfectly discriminate between allowed and forbidden content, resulting in two types of errors. First, under-blocking occurs when content is not blocked that should be restricted. Second, over- ...

#### 4 Network security: Web tap: detecting covert web traffic

Kevin Borders, Atul Prakash

October 2004 **Proceedings of the 11th ACM conference on Computer and communications security**

Full text available:  pdf(129.06 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

As network security is a growing concern, system administrators lock down their networks by closing inbound ports and only allowing outbound communication over selected protocols such as HTTP. Hackers, in turn, are forced to find ways to communicate with compromised workstations by tunneling through web requests. While several tools attempt to analyze inbound traffic for denial-of-service and other attacks on web servers, Web Tap's focus is on detecting attempts to send significant amounts of ...

**Keywords:** HTTP, anomaly detection, covert channels, intrusion detection, spyware detection, tunnels

#### 5 Information protection methods: Display-only file server: a solution against information theft due to insider attack

Yang Yu, Tzi-cker Chiueh

October 2004 **Proceedings of the 4th ACM workshop on Digital rights management**

Full text available:  pdf(311.80 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Insider attack is one of the most serious cybersecurity threats to corporate America. Among all insider threats, information theft is considered the most damaging in terms of potential financial loss. Moreover, it is also especially difficult to detect and prevent, because in many cases the attacker has the proper authority to access the stolen information. According to the 2003 CSI/FBI Computer Crime and Security Survey, theft of proprietary information was the single largest category of loss ...

**Keywords:** access, digital rights management, information theft, insider attack

#### 6 Providing effective ICT services using open source technologies: University of the Philippines experience

Rommel P. Ferial

October 2004 **Proceedings of the 32nd annual ACM SIGUCCS conference on User services**

Full text available:  pdf(51.44 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

The University of the Philippines, comprised of seven constituent universities, is the premiere State university of the country. Providing effective information and communications technology (ICT) to its faculty, staff and students is critical in ensuring the delivery of quality education.

Established in 1966, the University Computer Center (UCC) is the unit mandated to provide ICT to the university. From mainframe-based computer services, the UCC has migrated its


operations to worksta ...

**Keywords:** University of the Philippines, information and communications technology, information technology, open source

7 Industry/government track papers: TiVo: making show recommendations using a distributed collaborative filtering architecture

Kamal Ali, Wijnand van Stam

August 2004 **Proceedings of the 2004 ACM SIGKDD international conference on Knowledge discovery and data mining**

Full text available:  pdf(810.92 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

We describe the TiVo television show collaborative recommendation system which has been fielded in over one million TiVo clients for four years. Over this install base, TiVo currently has approximately 100 million ratings by users over approximately 30,000 distinct TV shows and movies. TiVo uses an item-item (show to show) form of collaborative filtering which obviates the need to keep any persistent memory of each user's viewing preferences at the TiVo server. Taking advantage of TiVo's client- ...

**Keywords:** clustering clickstreams, collaborative-filtering

8 Image Retrieval from the World Wide Web: Issues, Techniques, and Systems

M. L. Kherfi, D. Ziou, A. Bernardi

March 2004 **ACM Computing Surveys (CSUR)**, Volume 36 Issue 1

Full text available:  pdf(294.13 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

With the explosive growth of the World Wide Web, the public is gaining access to massive amounts of information. However, locating needed and relevant information remains a difficult task, whether the information is textual or visual. Text search engines have existed for some years now and have achieved a certain degree of success. However, despite the large number of images available on the Web, image search engines are still rare. In this article, we show that in order to allow people to profi ...

**Keywords:** Image-retrieval, World Wide Web, crawling, feature extraction and selection, indexing, relevance feedback, search, similarity

9 Posters: Content-based filtering and personalization using structured metadata

A. Mufit Ferman, James H. Errico, Peter van Beek, M. Ibrahim Sezan

July 2002 **Proceedings of the 2nd ACM/IEEE-CS joint conference on Digital libraries**

Full text available:  pdf(111.36 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Structured descriptions of multimedia content and automatically generated user profiles are used to filter content.

**Keywords:** MPEG-7, XML, multimedia content, personalization, recommendation, user profile

10 Virtual and augmented reality: Through the looking glass: the use of lenses as an interface tool for Augmented Reality interfaces

Julian Looser, Mark Billingham, Andy Cockburn

June 2004 **Proceedings of the 2nd international conference on Computer graphics and interactive techniques in Australasia and Southe East Asia**

Full text available:  pdf(430.34 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

In this paper we present new interaction techniques for virtual environments. Based on an extension of 2D MagicLenses, we have developed techniques involving 3D lenses, information filtering and semantic zooming. These techniques provide users with a natural, tangible interface for selectively zooming in and out of specific areas of interest in an Augmented Reality scene. They use rapid and fluid animation to help users assimilate the relationship between views of detailed focus and global conte ...

**Keywords:** Augmented Reality, MagicLenses, semantic zooming

11 Mobility: Session level techniques for improving web browsing performance on wireless links

Pablo Rodriguez, Sarit Mukherjee, Sampath Ramgarajan

May 2004 **Proceedings of the 13th international conference on World Wide Web**

Full text available:  pdf(486.66 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Recent observations through experiments that we have performed in current third generation wireless networks have revealed that the achieved throughput over wireless links varies widely depending on the application. In particular, the throughput achieved by file transfer application (FTP) and web browsing application (HTTP) are quite different. The throughput achieved over a HTTP session is much lower than that achieved over an FTP session. The reason for the lower HTTP throughput is that the HTTP ...

**Keywords:** optimizations, web, wireless

12 HEC Montréal: deployment of a large-scale mail installation

Ludovic Marcotte

May 2004 **Linux Journal**, Volume 2004 Issue 121

Full text available:  html(16.83 KB) Additional Information: [full citation](#), [abstract](#)

If you thought you had mail problems, try 600,000 spams a day.

13 Cross-lingual C\*ST\*RD: English access to Hindi information

Anton Leuski, Chin-Yew Lin, Liang Zhou, Ulrich Germann, Franz Josef Och, Eduard Hovy

September 2003 **ACM Transactions on Asian Language Information Processing (TALIP)**, Volume 2 Issue 3

Full text available:  pdf(210.61 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

We present C\*ST\*RD, a cross-language information delivery system that supports cross-language information retrieval, information space visualization and navigation, machine translation, and text summarization of single documents and clusters of documents. C\*ST\*RD was assembled and trained within 1 month, in the context of DARPA's Surprise Language Exercise, that selected as source a heretofore unstudied language, Hindi. Given the brief time, we could not create deep Hindi capabilities for all th ...

**Keywords:** Cross-language information retrieval, Hindi-to-English machine translation, headline generation, information retrieval and information space navigation, single- and multi-document text summarization

14 Multimedia and visualization (MV): Modelling and filtering of MPEG-7-compliant meta-data for digital video

Harry Agius, Marios C. Angelides

March 2004

**Proceedings of the 2004 ACM symposium on Applied computing**

Full text available:  [pdf\(235.90 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)


The recent MPEG-7 standard specifies a semi-structured meta-data format for open interoperability of multimedia. However, the standard refrains from specifying how the meta-data is to be used or how meta-data inappropriate to user requirements may be filtered out. Consequently, we propose COSMOS-7, which produces structured MPEG-7-compliant meta-data for digital video and enables content-based hybrid filtering of that meta-data.

**Keywords:** MPEG-7, filtering, meta-data, modelling, multimedia

**15 Invited workshop on middleware interoperability of enterprise applications: A marriage of Web services and reflective middleware to solve the problem of mobile client interoperability**

Paul Grace, Gordon Blair, Sam Samuel

September 2003 **Proceedings of the 1st international symposium on Information and communication technologies**

Full text available:  [pdf\(180.79 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#)

Mobile client applications must discover and interoperate with application services available to them at their present location. However, these services will be developed upon a range of middleware types (e.g. RMI and publish-subscribe) and advertised using different service discovery protocols (e.g. UPnP and SLP) unknown to the application developer. Therefore, a middleware platform supporting mobile client applications should ideally adapt its behaviour to interoperate with any type of discover ...

**16 Inside risks: Believing in myths**

Marcus J. Ranum

January 2004 **Communications of the ACM**, Volume 47 Issue 1

Full text available:  [pdf\(46.43 KB\)](#)  Additional Information: [full citation](#), [index terms](#)  
[html\(7.60 KB\)](#)

**17 Industrial/government track: The anatomy of a multimodal information filter**

Yi-Leh Wu, King-Shy Goh, Beitao Li, Huaxing You, Edward Y. Chang

August 2003 **Proceedings of the ninth ACM SIGKDD international conference on Knowledge discovery and data mining**

Full text available:  [pdf\(477.83 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

The proliferation of objectionable information on the Internet has reached a level of serious concern. To empower end-users with the choice of blocking undesirable and offensive websites, we propose a multimodal information filter, named *MORF*. In this paper, we present *MORF*'s core components: its confidence-based classifier, a Cross-bagging ensemble scheme, and multimodal classification algorithm. Empirical studies and initial statistics collected from the *MORF* filters deplo ...

**Keywords:** content filtering, objectionable Web-site filtering

**18 New products**


Linux Journal Staff

October 2003 **Linux Journal**, Volume 2003 Issue 114

Full text available:  [html\(8.16 KB\)](#) Additional Information: [full citation](#)


19 Challenges in information retrieval and language modeling: report of a workshop held at the center for intelligent information retrieval, University of Massachusetts Amherst, September 2002

James Allan, Jay Aslam, Nicholas Belkin, Chris Buckley, Jamie Callan, Bruce Croft, Sue Dumais, Norbert Fuhr, Donna Harman, David J. Harper, Djoerd Hiemstra, Thomas Hofmann, Eduard Hovy, Wessel Kraaij, John Lafferty, Victor Lavrenko, David Lewis, Liz Liddy, R. Manmatha, Andrew McCallum, Jay Ponte, John Prager, Dragomir Radev, Philip Resnik, Stephen Robertson, Roni Rosenfeld, Salim Roukos, Mark Sanderson, Rich Schwartz, Amit Singhal, Alan Smeaton, Howard Turtle, Ellen Voorhees, Ralph Weischedel, Jinxi Xu, ChengXiang Zhai  
April 2003 **ACM SIGIR Forum**, Volume 37 Issue 1

Full text available:  [pdf\(1.60 MB\)](#) Additional Information: [full citation](#), [citations](#), [index terms](#), [review](#)

20 Position papers: A delay-tolerant network architecture for challenged internets

Kevin Fall  
August 2003 **Proceedings of the 2003 conference on Applications, technologies, architectures, and protocols for computer communications**

Full text available:  [pdf\(100.02 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

The highly successful architecture and protocols of today's Internet may operate poorly in environments characterized by very long delay paths and frequent network partitions. These problems are exacerbated by end nodes with limited power or memory resources. Often deployed in mobile and extreme environments lacking continuous connectivity, many such networks have their own specialized protocols, and do not utilize IP. To achieve interoperability between them, we propose a network architecture a ...

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### 1 [Audio enriched links: web page previews for blind users](#)

Peter Parente

 September 2003 **ACM SIGACCESS Accessibility and Computing , Proceedings of the ACM SIGACCESS conference on Computers and accessibility**, Issue 77-78

 Full text available: [pdf\(229.96 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Audio Enriched Links provide previews of linked web pages to users with visual impairments. Before a user follows a hyperlink, the Audio Enriched Links software presents a spoken summary of the next page including its title, its relation to the current page, statistics about its content, and some highlights from its content. We believe that such a summary may be a useful surrogate for a full web page, and help users with visual impairments decide whether or not to spend time visiting a linked ...

**Keywords:** accessibility, speech preview, visual impairment, web page preview

### 2 [Summary-based routing for content-based event distribution networks](#)

Yi-Min Wang, Lili Qiu, Chad Verbowski, Dimitris Achlioptas, Gautam Das, Paul Larson

 October 2004 **ACM SIGCOMM Computer Communication Review**, Volume 34 Issue 5

 Full text available: [pdf\(2.82 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#)

Providing scalable distributed Web-based eventing services has been an important research topic. It is desirable to have an effective mechanism for the servers to summarize their filters for in-network preprocessing in order to optimize system performance. In this paper, we propose a summary-based routing mechanism and introduce the notion of imprecise summaries to provide a trade-off between routing overhead and event traffic. Our system uses similarity-based filter clustering to reduce overall ...

### 3 [Finding and preventing run-time error handling mistakes](#)

Westley Weimer, George C. Necula

 October 2004 **ACM SIGPLAN Notices , Proceedings of the 19th annual ACM SIGPLAN Conference on Object-oriented programming, systems, languages, and applications**, Volume 39 Issue 10

 Full text available: [pdf\(275.01 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

It is difficult to write programs that behave correctly in the presence of run-time errors. Existing programming language features often provide poor support for executing clean-up code and for restoring invariants in such exceptional situations. We present a dataflow

analysis for finding a certain class of error-handling mistakes: those that arise from a failure to release resources or to clean up properly along all paths. Many real-world programs violate such resource safety policies because ...

**Keywords:** dataflow, destructors, exceptions, finalizers, try-finally

#### 4 Paper session 1: web querying and mining: Spam, damn spam, and statistics: using statistical analysis to locate spam web pages

Dennis Fetterly, Mark Manasse, Marc Najork

June 2004 **Proceedings of the 7th International Workshop on the Web and Databases: colocated with ACM SIGMOD/PODS 2004**

Full text available:  [pdf\(791.70 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

The increasing importance of search engines to commercial web sites has given rise to a phenomenon we call "web spam", that is, web pages that exist only to mislead search engines into (mis)leading users to certain web sites. Web spam is a nuisance to users as well as search engines: users have a harder time finding the information they need, and search engines have to cope with an inflated corpus, which in turn causes their cost per query to increase. Therefore, search engines have a strong incentive ...

**Keywords:** statistical properties of web pages, web characterization, web spam

#### 5 Calculating error rates for filtering software

Paul J. Resnick, Derek L. Hansen, Caroline R. Richardson

September 2004 **Communications of the ACM**, Volume 47 Issue 9


Full text available:  [pdf\(134.44 KB\)](#)  [html\(25.90 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Surveys in the U.S. have found that 95% of schools [4], 43% of public libraries [5], and 33% of teenagers' parents [8] employ filtering software to block access to pornography and other inappropriate content. Many products are also now available to filter out spam email. Filtering software, however, cannot perfectly discriminate between allowed and forbidden content, resulting in two types of errors. First, under-blocking occurs when content is not blocked that should be restricted. Second, over- ...

#### 6 Impact of configuration errors on DNS robustness

Vasileios Pappas, Zhiguo Xu, Songwu Lu, Daniel Massey, Andreas Terzis, Lixia Zhang

August 2004 **ACM SIGCOMM Computer Communication Review , Proceedings of the 2004 conference on Applications, technologies, architectures, and protocols for computer communications**, Volume 34 Issue 4

Full text available:  [pdf\(327.13 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

During the past twenty years the Domain Name System (DNS) has sustained phenomenal growth while maintaining satisfactory performance. However, the original design focused mainly on system robustness against physical failures, and neglected the impact of operational errors such as misconfigurations. Our recent measurement effort revealed three specific types of misconfigurations in DNS today: lame delegation, diminished server redundancy, and cyclic zone dependency. Zones with configuration error ...

**Keywords:** DNS, misconfigurations, resiliency

#### 7

#### A trust model for e-commerce in South Africa

Lynette Barnard, Janet Wesson

October 2004 **Proceedings of the 2004 annual research conference of the South African institute of computer scientists and information technologists on IT research in developing countries**

Full text available:  pdf(82.14 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

In this paper, the relative importance of trust and usability of e-commerce in South Africa is discussed. In order to investigate these issues, a heuristic evaluation and an empirical evaluation were conducted on a number of South African e-commerce sites. A comprehensive set of e-commerce design guidelines was compiled, which was used to conduct a heuristic evaluation of the selected e-commerce sites. The results of the heuristic evaluation indicated that a number of usability problems exist ...

**Keywords:** South Africa, e-commerce, e-commerce design guidelines, empirical evaluation, heuristic evaluation, trust, trust model, usability

#### 8 A digital library component assembly environment

Linda Eyambe, Hussein Suleman

October 2004 **Proceedings of the 2004 annual research conference of the South African institute of computer scientists and information technologists on IT research in developing countries**

Full text available:  pdf(115.23 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

With the advent of the Internet came the promise of global information access. In keeping with this promise, Digital Libraries (DLs) began to emerge across the world as a method of providing structured information to their users. These DLs are often created using proprietary monolithic software that is often difficult to customise and extend. The Open Digital Library (ODL) project was created to demonstrate that DLs can be built as a network of components instead of as monolithic systems. Alt ...

**Keywords:** components, design, digital libraries, experimentation, graphical user interface, open digital libraries, standardization

#### 9 Cases from the field: Field studies of computer system administrators: analysis of system management tools and practices

Rob Barrett, Eser Kandogan, Paul P. Maglio, Eben M. Haber, Leila A. Takayama, Madhu Prabaker

November 2004 **Proceedings of the 2004 ACM conference on Computer supported cooperative work**

Full text available:  pdf(405.09 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Computer system administrators are the unsung heroes of the information age, working behind the scenes to configure, maintain, and troubleshoot the computer infrastructure that underlies much of modern life. However, little can be found in the literature about the practices and problems of these highly specialized computer users. We conducted a series of field studies in large corporate data centers, observing organizations, work practices, tools, and problem-solving strategies of system administrators ...

**Keywords:** collaboration, command-line interfaces, ethnography, situation awareness, system administration

#### 10 Knowledge sharing in software engineering: Group awareness in distributed software development

Carl Gutwin, Reagan Penner, Kevin Schneider

November 2004 **Proceedings of the 2004 ACM conference on Computer supported cooperative work**

Full text available:  pdf(365.27 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Open-source software development projects are almost always collaborative and distributed. Despite the difficulties imposed by distance, these projects have managed to produce large, complex, and successful systems. However, there is still little known about how open-source teams manage their collaboration. In this paper we look at one aspect of this issue: how distributed developers maintain group awareness. We interviewed developers, read project communication, and looked at project artifacts ...

**Keywords:** OSS, collaborative software development, group awareness

11 Innovative systemic perspectives: Effective work practices for software engineering: free/libre open source software development

Kevin Crowston, Hala Annabi, James Howison, Chengetai Masango

November 2004 **Proceedings of the 2004 ACM workshop on Interdisciplinary software engineering research**

Full text available:  pdf(390.40 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

We review the literature on Free/Libre Open Source Software (FLOSS) development and on software development, distributed work and teams more generally to develop a theoretical model to explain the performance of FLOSS teams. The proposed model is based on Hackman's [34] model of effectiveness of work teams, with coordination theory [52] and collective mind [79] to extend Hackman's model by elaborating team practices relevant to effectiveness in software development. We propose a set of proposals ...

**Keywords:** collective mind theory, coordination theory, free and open source software, team effectiveness

12 Searching for the needle in the haystack: taxonomies, tags and targets

Michael Pelikan, James Leous, Richard Pearce, Margaret E. Smith, Russell Vaught

October 2004 **Proceedings of the 32nd annual ACM SIGUCCS conference on User services**

Full text available:  pdf(165.65 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

The Penn State Taxonomic Tags group, with representatives from Information Technology, Business Administration, and the Penn State Libraries, was formed to examine whether a taxonomic set of tags, systematically applied across the university's Web pages, could (a) make finding specific pages easier from among the University's greater than 500,000 Web pages, (b) simplify Web content management tasks and (c) prove useful over time as search engines continue to evolve and despite whether open so ...

**Keywords:** content management systems, controlled vocabularies, metadata, taxonomies, web search engines

13 From yellow stickies to the world-wide web: the evolution of problem tracking at the University of Houston

Julia Kosatka, Anita Bhakta

October 2004 **Proceedings of the 32nd annual ACM SIGUCCS conference on User services**

Full text available:  pdf(223.77 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

In 1990, IT Technology Support Services (TSS) was formed by combining several IT

support departments. Cases were distributed to the four or five support people by the simple expedient of putting sticky notes on their office doors. A support person would return from an office call to find his/her office door covered in sticky notes. Missing cases, lost phone numbers and angry customers were common events. With an enrollment of 30,000 students and rising, something had to give.

A variety ...

**Keywords:** RightNowTechnologies, burnout, collaboration, console, e-mail, fileMaker pro, helpdesk, notification system, remedy, self-service, tracking, web

#### 14 Research track papers: Web usage mining based on probabilistic latent semantic analysis

Xin Jin, Yanzan Zhou, Bamshad Mobasher

August 2004 **Proceedings of the 2004 ACM SIGKDD international conference on Knowledge discovery and data mining**

Full text available:  pdf(747.27 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

The primary goal of Web usage mining is the discovery of patterns in the navigational behavior of Web users. Standard approaches, such as clustering of user sessions and discovering association rules or frequent navigational paths, do not generally provide the ability to automatically characterize or quantify the unobservable factors that lead to common navigational patterns. It is, therefore, necessary to develop techniques that can automatically discover hidden semantic relationships among use ...

**Keywords:** PLSA, Web usage mining, user profiling

#### 15 Posters: Accurate web recommendations based on profile-specific url-predictor neural networks

Olfa Nasraoui, Mrudula Pavuluri

May 2004 **Proceedings of the 13th international World Wide Web conference on Alternate track papers & posters**

Full text available:  pdf(192.19 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

We present a *Context Ultra-Sensitive Approach based on two-step Recommender systems (CUSA-2-step-Rec)*. Our approach relies on a committee of profile-specific neural networks. This approach provides recommendations that are accurate and fast to train because only the URLs relevant to a specific profile are used to define the architecture of each network. We compare the proposed approach with collaborative filtering showing that our approach achieves higher coverage and precision while being ...

**Keywords:** collaborative filtering, neural networks, web mining

#### 16 Foundations: How much is too much in a hypertext link?: investigating context and preview -- a formative evaluation

Simon Harper, Yeliz Yesilada, Carole Goble, Robert Stevens

August 2004 **Proceedings of the fifteenth ACM conference on Hypertext & hypermedia**

Full text available:  pdf(472.86 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

A high quality of free movement, or mobility, is key to the accessibility, design, and usability of many 'common-use' hypermedia resources (Web sites) and key to good mobility is context and preview. This is especially the case when a hypertext anchor is inaccurately described or is described out of context as confusion and disorientation can ensue. Mobility

is similarly reduced when the link target of the anchor has no relationship to the expected information present on the hypertext node (Web ...

**Keywords:** document engineering, evaluation, hypertext, web mobility

17 Standards, mark-up, and metadata: The XML log standard for digital libraries: analysis, evolution, and deployment



Marcos André Gonçalves, Ganesh Panchanathan, Unnikrishnan Ravindranathan, Aaron Krowne, Edward A. Fox, Filip Jagodzinski, Lillian Cassel  
May 2003 **Proceedings of the 3rd ACM/IEEE-CS joint conference on Digital libraries**

Full text available:  pdf(160.60 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

We describe current efforts and developments building on our proposal for an XML log standard format for digital library (DL) logging analysis and companion tools. Focus is given to the evolution of formats and tools, based on analysis of deployment in several DL systems and testbeds. Recent development of analysis tools also is discussed.

18 Technical papers: testing I: Improving web application testing with user session data

Sebastian Elbaum, Srikanth Karre, Gregg Rothermel  
May 2003 **Proceedings of the 25th International Conference on Software Engineering**

Full text available:  pdf(1.19 MB)  Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)  
[Publisher Site](#)

Web applications have become critical components of the global information infrastructure, and it is important that they be validated to ensure their reliability. Therefore, many techniques and tools for validating web applications have been created. Only a few of these techniques, however, have addressed problems of testing the functionality of web applications, and those that do have not fully considered the unique attributes of web applications. In this paper we explore the notion that user s ...

19 Video and multimedia digital libraries: Virtual multimedia libraries built from the web

Neil C. Rowe  
July 2002 **Proceedings of the 2nd ACM/IEEE-CS joint conference on Digital libraries**


Full text available:  pdf(147.14 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

We have developed a tool MARIE-4 for building virtual libraries of multimedia (images, video, and audio) by automatically exploring (crawling) a specified subdomain of the World Wide Web to create an index based on caption keywords. Our approach uses carefully-researched criteria to identify and rate caption text, and employs both an expert system and a neural network. We have used it to create a keyword-based interface to nearly all nontrivial captioned publicly-accessible U.S. Navy images (667 ...

**Keywords:** World Wide Web, audio, captions, images, information retrieval, libraries, multimedia, video

20 Managing change on the web

Luis Francisco-Revilla, Frank Shipman, Richard Furuta, Unmil Karadkar, Avital Arora  
January 2001 **Proceedings of the 1st ACM/IEEE-CS joint conference on Digital libraries**

Full text available:  pdf(274.89 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Increasingly, digital libraries are being defined that collect pointers to World-Wide Web based resources rather than hold the resources themselves. Maintaining these collections is challenging due to distributed document ownership and high fluidity. Typically a collections

maintainer has to assess the relevance of changes with little system aid. In this paper, we describe the Waldens Paths Path Manager, which assists a maintainer in discovering when relevant changes occur to linked resour ...

**Keywords:** Walden's path, path maintenance

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